

PATENT ABSTRACTS OF JAPAN

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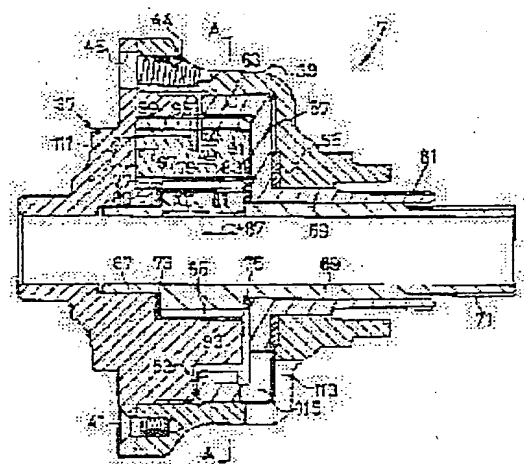
(54) DIFFERENTIAL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To generate a large torque distribution

ratio and prevent a pinion from tumbling.

SOLUTION: A differential device of present invention comprises a differential case 37 rotated by an engine, supporting holes formed in the case wall, pinion gears 49 supported by the holes with possibility of sliding and rotating, a sun gear 55 on the output side meshing with the pinions 49, and an internal gear 53 on the output side meshing with the pinions 49, wherein the meshing part 83 of the pinions 49 with the sun gear 55 is overlapped in radial direction on the meshing part 85 of the pinions 49 with the internal gear 53.



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